AMSAT News Service Weekly Bulletins
Issue: ANS-113
Date: 1994-04-24
Sources: amsat-ans-1994-ans-113-weekly.txt

SB SAT @ AMSAT $ANS-113.01
WD0E ATTENDS JAMSAT SYMPOSIUM

HR AMSAT NEWS SERVICE BULLETIN 113.01 FROM AMSAT HQ
SILVER SPRING, MD APRIL 24, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-113.01

WD0E Attends JAMSAT Symposium

Jim White (WD0E) reports the annual JAMSAT Symposium was held in Tokyo on 27-MAR-94. Jim attended representing AMSAT-NA and presented a paper on MICROSAT construction and operation, the Deep Space Exploration Society (DSES) radio telescope project at Table Mountain near Boulder, CO, and the high altitude balloon experiments of the Edge of Space Sciences (EOSS) group. The day long symposium included presentations on the construction and use of quadrifiler helices, a version of the MICROSAT ground station software implemented in Japanese, and several presentations regarding Phase-3D. One of the Phase-3D presentations included a live demonstration of the prototype camera and electronics for the SCOPE project that will provide imaging capability aboard the satellite. Jim reports he was particularly impressed by the progress on SCOPE and the demonstration of the capabilities of the camera and electronics. Presenters included JA2PKI, JR1SWB, JM3MAJ, JA0FKM and JH7CKF. An award was presented to Sumio Nakane (JH3BJN) for achieving satellite DXCC using only a four element antenna for 2M, a most impressive accomplishment.

The evening prior to the Symposium, JAMSAT held a celebration of their 20th anniversary. Jim reports the hospitality was outstanding with great international camaraderie and a good deal of discussion about satellite construction and operation. Jim said he was particularly grateful for the hospitality and translation services of Sumio Nakane, Miki Nakayama, and Tak Okamoto.

AMSAT-NA congratulates JAMSAT on its 20th anniversary!

[The AMSAT News Service (ANS) would like to thank WD0E for this bulletin item. WD0E can be reached at his INTERNET address of wd0e@amsat.org.]

/EX
SB SAT @ AMSAT $ANS-113.02
UNAMSAT STATUS REPORT

HR AMSAT NEWS SERVICE BULLETIN 113.02 FROM AMSAT HQ
SILVER SPRING, MD APRIL 24, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-113.02

UNAMSAT Status Report

David Liberman (XE1TU) project manager for UNAMSAT at the Autonomous University of Mexico, is resting at home recovering from hepatitis. Meanwhile according to Hector Sosa, chief software engineer for UNAMSAT, the entire student group that has been working on the construction project of their UNAMSAT-1 MICROSAT for about two years, recently obtained their ham tickets after they all took the exam for their amateur radio licenses and have now received their call-signs. The new licensees are:

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Jose Garcia                   XE0IKQ
Juan Zavala                   XE0MMF
Hector Rojas                  XE0LFD
Gabriel Garcia Gama           XE0JMC
Saul de la Rosa Nieves        XE0RAI
Eloy Martinez                 XE0IKZ
Carlos Wallenius              XE0JPM

Those who might want to wish XE1TU a speedy recover may send cards to:

  David Liberman (XE1TU)
  Bosque de Sayula #22
  La Herradura, Estado de Mexico
  C.P. 05278
  Mexico

[The AMSAT News Service would like to thank WD0E for this bulletin item.]

/EX
SB SAT @ AMSAT   $ANS-113.03
AMSAT-UK CALL FOR PAPERS

HR AMSAT NEWS SERVICE BULLETIN 113.03 FROM AMSAT HQ
SILVER SPRING, MD APRIL 24, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-113.03

AMSAT-UK Colloquim Call For Papers

The ninth AMSAT-UK Colloquium will be held July 28-31 at the University of
Surrey in Guildford, Surrey, England.  This year's colloquium will be divided
into four primary topic areas: spacecraft engineering, future space missions,
groundstation and spacecraft operations and associated amateur space activities.
Papers falling into these categories are sought for the event. Authors should
submit abstracts to arrive no later than May 10, 1994 for consideration for
this year's event with full paper submissions due by June 10, 1994. Authors will
be notified of paper acceptance by June 1. Abstracts should be sent to:

Doug Loughmiller, G0SYX
AMSAT-UK Colloquium Programme Chairman
University of Surrey
Centre for Satellite Engineering Research
Guildford, Surrey
GU2 5XH
England

Submissions can also be made to the program chairman via fax on +44 0483
259503 or via the Internet to: D.loughmiller@ee.surrey.ac.uk

Abstracts and papers should only be sent to the addresses listed above.

The annual AMSAT-UK Colloquium is the largest international gathering of amateur
satellite enthusiasts and experts in the world and has established a high
standard of quality presentations on topics relevant to the amateur satellite
community. Organiser's of this year's event would welcome all contributions of
program material covering the vast scope of the amateur satellite program as
it exists in 1994. The ninth AMSAT-UK Colloquium promises to be the most
informative and entertaining event yet. We look forward to your participation
in this year's Colloquium.  See you in Surrey!

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SB SAT @ AMSAT   $ANS-113.04
AO-13 OPS NET SCHEDULE
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HR AMSAT NEWS SERVICE BULLETIN 113.04 FROM AMSAT HQ
SILVER SPRING, MD APRIL 24, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-113.04

Current AMSAT Operations Net Schedule For AO-13

AMSAT Operations Nets are planned for the following times. Mode-B Nets are conducted on AO-13 on a downlink frequency of 145.950 MHz. If, at the start of the OPS Net, the frequency of 145.950 MHz is being used for a QSO, OPS Net enthusiasts are asked to move to the alternate frequency of 145.955 MHz.

Date	UTC	Mode	Phs	NCS	Alt NCS
30-Apr-94	2130	B	176	W9ODI	VE2LVC
09-May-94	0000	B	175	W5IU	WA5ZIB
14-May-94	1700	B	167	WA5ZIB	W5IU
21-May-94	2130	B	185	VE2LVC	W9ODI

Any stations with information on current events would be most welcomed. Also, those interested in discussing technical issues or who have questions about any particular aspect of OSCAR statellite operations, are encouraged to join the OPS Nets. If neither of the Net Control Stations show up, any participant is invited to act as the NCS.

Slow Scanners are invited to join the SSTV sessions on AO-13. The frequency is 145.955 MHz. The net meets at 45 minutes before Mode S, and on Mode B following Mode S on Saturdays and Sundays. Join those sessions or convey your wishes for other SSTV skeds to wb6llo@amsat.org, and he will coordinate your efforts.

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SB SAT @ AMSAT $ANS-113.05
AMSAT BOOTH AT DAYTON

HR AMSAT NEWS SERVICE BULLETIN 113.05 FROM AMSAT HQ
SILVER SPRING, MD APRIL 24, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-113.05

Look For The AMSAT Booth At The Dayton Hamvention Next Weekend

For those of you who are going to be at Dayton, we look forward to seeing you. The AMSAT booth is in the same spot as last year, 445 - 448.

AMSAT will be holding three sessions during the weekend. On Friday at 1:00 PM in Room 1, "Getting Stated on the Satellites, Including the Packet Birds." This will be moderated by Keith Baker KB1SF. There are two sessions on Saturday, both in Room 5. AT 1:00 PM the SAREX session features several astronauts plus Roy Neal (K6DUE). And at 3:15 PM, learn all about the progress on Phase 3D from Dick Jansson WD4FAB, our VP for Engineering. Dick is working very closely with all the various individuals and groups participating in the construction of the satellite and will bring us up to date on how everything is going.

This being the 10th anniversary of the first "Ham in Space" and the 25th anniversary of the founding of AMSAT, this is a very big year for us. Try to participate in as many of the AMSAT-related functions as you can.

We will be holding an informal dinner and get-together Friday evening. Come by the booth after the Hamvention opens Friday noon and sign up. The restaurant can accommodate only those who sign up.

Communications

The Upper Valley Radio Club in Fairborn has graciously invited us to use their two repeaters while we are in the area. The 2 meter one is on 145.41 (-) and the 70 cm machine is on 442.375 (+). Both are located on a water tower not more than a half mile from the Homewood Suites, where many AMSATers are staying. So, handi-talkies on low power ought to work nicely in that area.

Of course, DARA will run their usual talk-in on 146.94 (-). If you can get through the mob, they do a good job of providing directions.

Around the Hara Arena, and at other locations where we need to communicate :via simplex, AMSAT will use 145.55. I am sure that it won't be clear, but no 2 meter frequency is clear during Hamvention. For those with 70 cm HTs, I suggest 438.00. Mine seems to work there.

I understand from Keith Baker KB1SF, who lives in the Dayton area, that road construction in and around Dayton is particularly troublesome this year. I-75 is reported to be torn up, and down to one lane; BOTH north and south of Needmore Road (the main way to the arena). Also, I-675 north and south are torn up, and down to one lane, in spots. This is the route from I-70 down to the Hoomwood Suites in Fairborn, where most of us will be staying. So, wherever you're going around Dayton, give yourself plenty of time.

Travel safely and we'll see you next week!

73,

Bill Tynan (W3XO)
AMSAT-NA President

/EX
SB SAT @ AMSAT $ANS-113.06
WEEKLY OSCAR STATUS REPORTS

HR AMSAT NEWS SERVICE BULLETIN 113.06 FROM AMSAT HQ
SILVER SPRING, MD APRIL 24, 1994
TO ALL RADIO AMATEURS BT
BID: $ANS-113.06

Weekly OSCAR Status Reports: 23-APR-94

AO-13: Current Transponder Operating Schedule:
M QST *** AO-13 TRANSPONDER SCHEDULE *** 1994 Apr 07-Jul 11
Mode-B : MA 0 to MA 170 |
Mode-BS : MA 170 to MA 218 |
Mode-S : MA 218 to MA 220 |<- S beacon only
Mode-S : MA 220 to MA 230 |<- S transponder; B trsp. is OFF
Mode-BS : MA 230 to MA 250 | Blon/Blat 230/-5
Mode-B : MA 250 to MA 256 |
Omnis : MA 250 to MA 120 | Move to attitude 180/0, Jul 11
[G3RUH/DB2OS/VK5AGR]

FO-20: The following is the current schedule for transponder operations:
ANALOG MODE:
20-Apr-94 7:35 -to- 27-Apr-94 7:55 UTC
11-May-94 6:54 -to- 18-May-94 7:20 UTC
Digital mode: Unless otherwise noted above.
[Kazu Sakamoto (JJ1WTK) qga02014@niftyserve.or.jp]

KO-23: Working well. [WH6I]

KO-25: Working well. WH6I reported in last week's KO-25 status report that

number of new images can be found on KO-25 but since the wide angle images are in a new format that so far has not been decoded. Well since then he reports that the QUIKDISP.EXE is available on KO-25's BBS for downloading. This is a program that will display the new wide angle views from KO-25. WH6I is in the processing downloading several earth image files. He says that the file KAIW0008 appears to be on the adriatic coast of the former Yugoslavia. [WH6I]

AO-16: Working well. [WH6I]

DO-17: ZR5JRS finds this to be an excellent satellite to monitor as he can receives DOVE with 599 signals when it is at an elevation of only 7 degrees. To date, however, he has not heard the digital voice. [ZRTJRS]

UO-11: This satellite is working well with clear, readable RTTY. The digital voice also is received well from ZR5JRS's QTH. ZR5JRS observes that he has to wait until UO-11 is at lest 25 degrees above the horizon for him to receive a good copy on UO-11. He notes that this is in contrast to the other OSCAR satellites which he copies almost immediately after they rise above his horizon. His only theory about this is that perhaps UO-11 runs considerably less power than the other OSCARs. [ZR5JRS]

MIR: Over the last 4 days, the MIR BBS has been switched off. This is possibly to prevent clashes with the STS-59 SAREX mission. However, before this, it was relatively easy to access the MIR BBS even using 2 watts of power at an elevation of 18 degrees with a "Slim Jim" antenna. There have been no reports of voice contacts in South Africa that ZS5JRS is aware of over the last 14 months.
[ZR5JRS @ ZR5GQ.NTL.ZAF.AF]

RS-10/11: Of all the OSCAR satellites, this satellite is ZR5JRS's favorite one to work. His station consists of a 10W Yaesu FT-480R with a "Slim Jim" antenna for the uplink, and an old Yaesu FTDX 400 with a long wire antenna for the downlink. From his QTH in Durban, grid square KG59MG, he can work stations in Cape Town, which is about 1300 KM away and stations Johannesburg which is about 500 KM away at the same time for about 3 to 4 minutes. JR5JRS has also found that the downlink is about half as strong as the beacon signal. He also uses the beacon signal to gauge conditions on the 10M band, sometimes hearing the beacon up to 10 minutes after the satellite has gone below the horizon!
[ZR5JRS @ ZR5GQ.NTL.ZAF.AF]

The AMSAT NEWS Service (ANS) is looking for volunteers to contribute weekly OSCAR status reports. If you have a favorite OSCAR which you work on a regular basis and would like to contribute to this bulletin, please send your observations to WD0HHU at his CompuServe address of 70524,2272, on INTERNET at wd0hhu@amsat.org, or to his local packet BBS in the Denver, CO area, WD0HHU @ W0LJF.#NECO.CO.USA.NOAM. Also, if you find that the current set of orbital elements are not generating the correct AOS/LOS times at your QTH, PLEASE INCLUDE THAT INFORMATION AS WELL. The information you provide will be of value to all OSCAR enthusiasts.

/EX